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	511 D.G.D. (75)	FIRST MALED DIVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNET DOCKET NO.	CONFIRMATION NO.
10/511,847	10/19/2004	Nicholas J White	540-528	6258
23117 75	590 06/27/2006		EXAM	INER
NIXON & VANDERHYE, PC			COLLINS, TIMOTHY D	
901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203		)R	ART UNIT	PAPER NUMBER
mentoron,	****		3643	
			DATE MAILED: 06/27/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/511,847	WHITE, NICHOLAS J					
Office Action Summary	Examiner	Art Unit					
	Timothy D. Collins	3643					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 19 Oc	Responsive to communication(s) filed on <u>19 October 2004</u> .						
,	•						
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
·— ··	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-14</u> is/are rejected.							
7) Claim(s) is/are objected to.							
·— · · · — ·	8) Claim(s) are subject to restriction and/or election requirement.						
o) Claim(o) are subject to recurrence arraise	. • • • • • • • • • • • • • • • • • • •						
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>19 October 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 10/19/04,3/15/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-14 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by USPN 6352221 to Sakurai (hereinafter called 221).
  - a. Re claim 1, 221 discloses a landing gear assembly with plural doors as seen in figures 2A and 2B movable between first (2A) and second positions (2B) with a first door (approximately 34) and second door (approximately 28) on the left side of figure 2B. The movement of the second door moves through the position of the first door when the first was in the closed position.
  - b. Re claim 2, 221 discloses that the first door is mounted for rotation about a first generally longitudinal axis as seen in number 90 approximately in figure 2B.
  - c. Re claim 3, 221 discloses that the axis is vertically spaced from the aperture as seen in the figure.

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d. Re claim 4, 221 discloses that the first axis is in a region overlying the location of adjacent edges of the first and second doors when in the closed position as seen in figures 2A and 2B.

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- e. Re claim 5, 221 discloses that the second door (approximately number 28) is mounted for rotation about a second axis (approximately number 80) which is also longitudinal.
- f. Re claim 6, 221 discloses a linkage mechanism and prime mover, the linkage mechanism (about number 74) connecting the doors to the prime mover (72).
- g. Re claim 7, 221 discloses that the prime mover is a linear actuator and one stroke opens and the other closes the doors.
- h. Re claim 8, 221 discloses that there is a third door (about number 24 on the right side and the first and third doors define a pair on opposite sides of the aperture as seen in figure 2A.
- i. Re claim 9, 221 discloses a fourth door adjacent to the third door, the fourth door being the door on the right most part of the figure 2A and 2B. It moves similarly to door 2.
- j. Re claim 10, 221 discloses that the third door rotates about a third axis (like number 90 but on the right side of the figure).
- k. Re claim 11, 221 discloses that the third longitudinal axis is spaced above the aperture as seen in the figures.

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I. Re claim 12, 221 discloses that the third axis is in a region overlying the location of adjacent edges of the third and fourth doors when in the closed position as seen in figures 2A and 2B.

- m. Re claim 13, 221 discloses that the fourth door rotates about a fourth axis (like number 80 but on the right side of the figure).
- n. Re claim 14, 221 discloses that the landing gear doors are on an aircraft as seen at least in the abstract.
- 3. Claims 1-14 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by EP 1129938 (hereinafter called 938).
  - o. Re claim 1, 938 discloses in figs 2A-2C discloses an aircraft landing gear including a plurality of doors (42, 44) movable between open positions, in which landing gear can be deployed through an aperture, and closed positions, in which the doors are closed across the aperture, the plurality of doors including a first door (44) and a second door (42) adjacent to the first door in the closed positions of the doors, the first door (44) being so mounted that its movement from its closed position to its open position involves movement of at least part of the first door (44) through space which is occupied by the second door (42) in its closed position and vacated by the second door (42) in its open position.
  - p. Re claim 2, 938 discloses that the first door 44 is mounted for rotation about longitudinal axis 90.
  - q. Re claim 3, 938 in figure 2C discloses that the first longitudinal axis 90 is disposed spaced above the level of aperture 58.

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r. Re claim 4, 938 discloses that the first generally longitudinal axis (90) is disposed in a region overlying the locations of adjacent edges of the first 44 and second 42 doors when closed, see figure 2A.

- s. Re claim 5, 938 discloses that the second door 42 is mounted for rotation about a second axis 66.
- t. Re claim 6, 938 discloses a linkage mechanism 49 and a prime mover 48 which operates plural doors.
- u. Re claim 7, 938 discloses that the prime mover is a linear actuator inherently because the motion is linear and one stroke opens and one closes the doors.
- v. Re claim 8, 938 discloses a third door 133 and defining a pair with the first door 44 on opposite sides of the aperture.
- w. Re claim 9, 938 discloses that a fourth door 132 is adjacent to the third door 133, the third door moving through the space of the fourth door.
- x. Re claim 10, 938 discloses that the third door is mounted for rotation about a third axis 154.
- y. Re claim 11, 938 discloses that the third axis is spaced above the level of the aperture.
- z. Re claim 12, 938 discloses that the third axis 154 is in a region overlying the locations of the adjacent edges of the third and fourth doors when closed.
- aa. Re claim 13, 938 discloses that the fourth door is mounted for rotation about the axis 140.

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bb. Re claim 14, 938 discloses an aircraft as seen at number 10.

## Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy D. Collins whose telephone number is 571-272-6886. The examiner can normally be reached on M-F, 7:00-3:00, with every other Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter M. Poon can be reached on 571-272-6891. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Timothy D. Collins
Patent Examiner
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